

The Air We Breathe: Climate Equity in Phoenix

June 26, 2021



LAND ACKNOWLEDGMENT





Vice Mayor Carlos Garcia

District 8



PHOENIX
D8
OFFICE OF COUNCILMEMBER
CARLOS GARCIA



C4O
CITIES



Councilwoman Yassamin Ansari

District 7



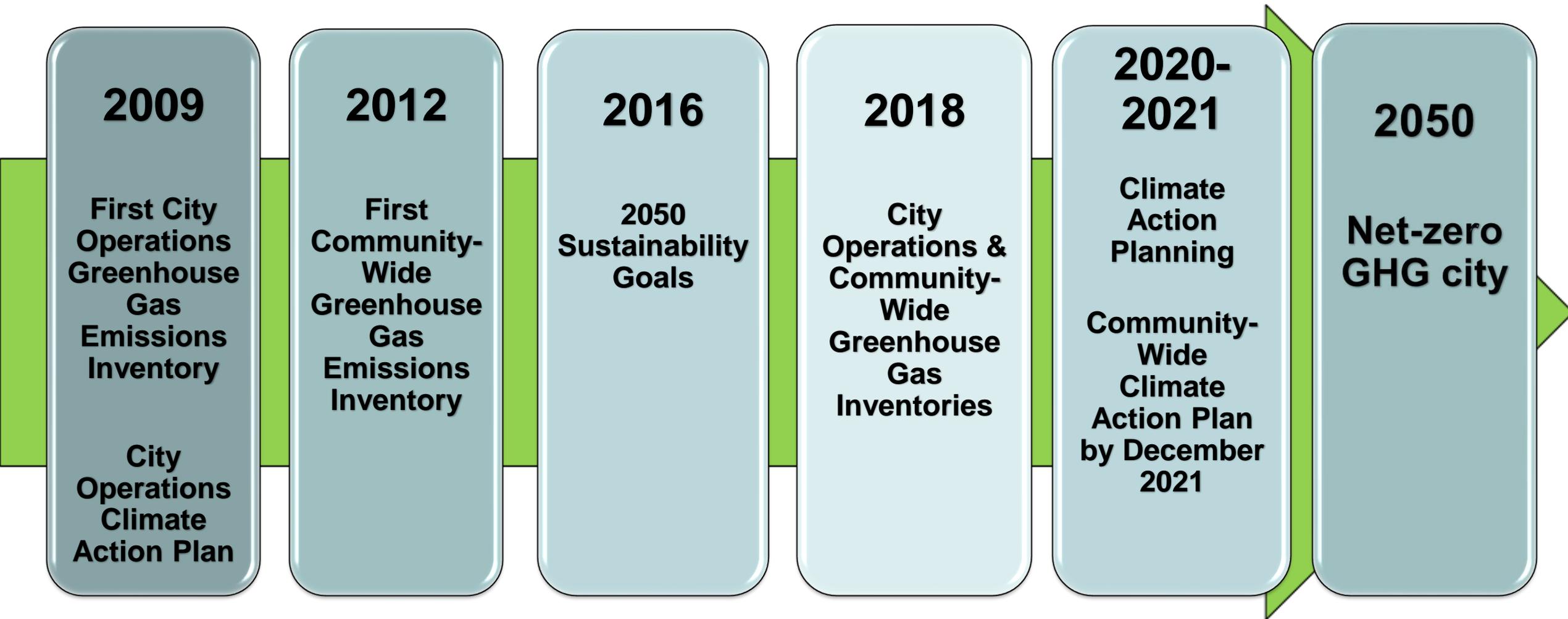
Introduction - C40 Cities



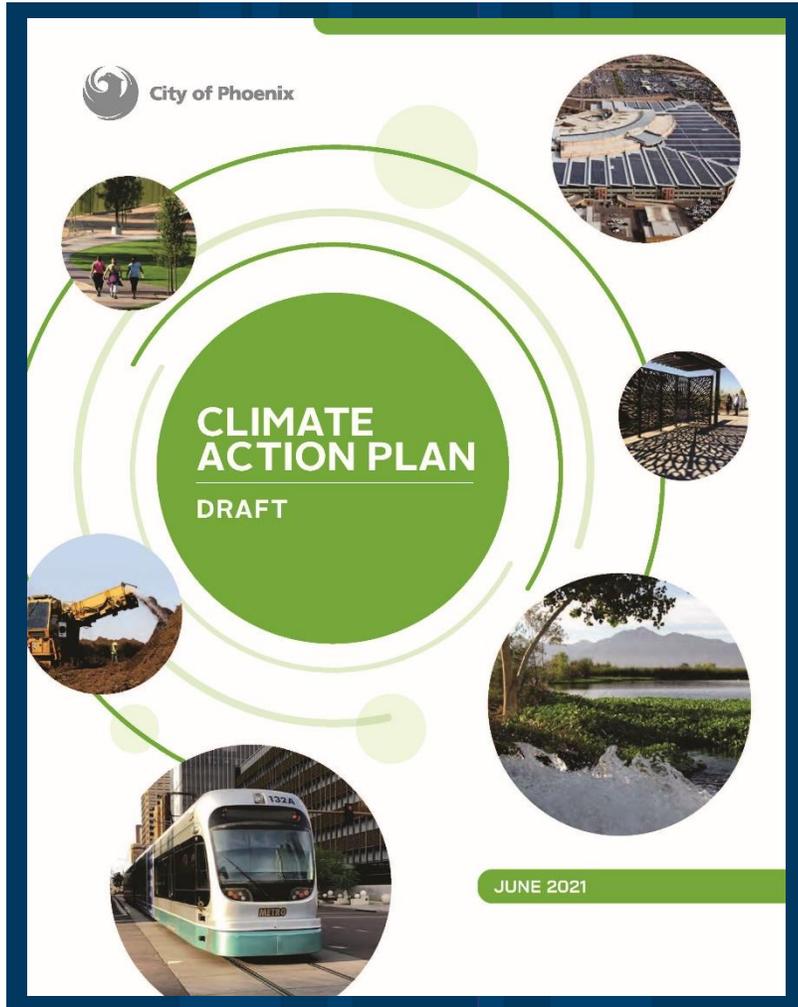
- Mayor Kate Gallego affirmed Phoenix commitment to the Paris Climate Accord – reduce GHG emissions by 2050
- Phoenix joined C40 Cities in Feb. 2020
- C40-compliant Climate Action Plan by Dec 2021
- **Deadline 2020** – 67% Reduction in GHG Emissions by 2030.



Introduction - Ongoing Efforts



Climate Action Plan Draft



GHG Emissions Reduction Goals

Stationary Energy Sector
Transportation Sector
Waste Sector

Resiliency Goals

Air Quality
Local Food Systems
Heat
Water

Climate Action Plan Draft 2050 Goals



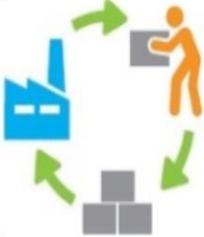
GHG Emissions Reduction Goals



New buildings are **Net Positive** in energy & materials



40% of commutes by walking, biking, transit & car-share



Zero Waste through participation in the circular economy

Resiliency Goals



Clean Air
Out-performing federal standards



A thriving vibrant **Food System**



25% Tree and shade canopy



100-Year Clean & reliable supply of water

Next Steps



Draft Plan Public Comment Period

June 2021

Public Engagement
Virtual Workshops & Survey

June 2021

Final Plan to City Council

Fall 2021

Share your Opinions and Ideas

Climate Page, Survey, Future Workshop Information

www.phoenix.gov/climate

Submit questions to
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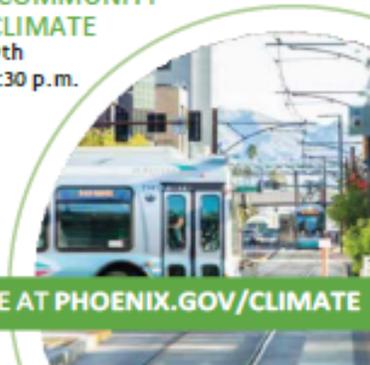


THE FUTURE OF PHOENIX DRAFT CLIMATE ACTION PLAN

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- | | |
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11:30 - 1:00PM | COUNCIL D7 AND D8
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Help plan the Future of Phoenix

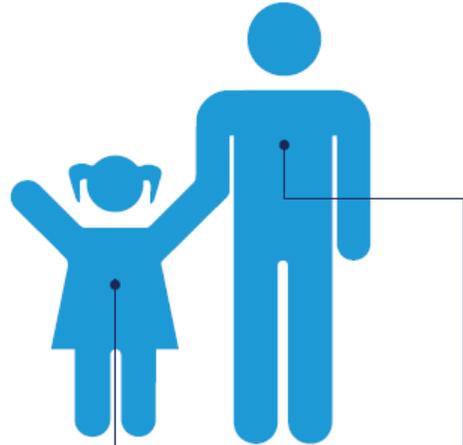
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Health Benefits of Electric Vehicles



Air pollution remains a major danger to the health of children and adults.



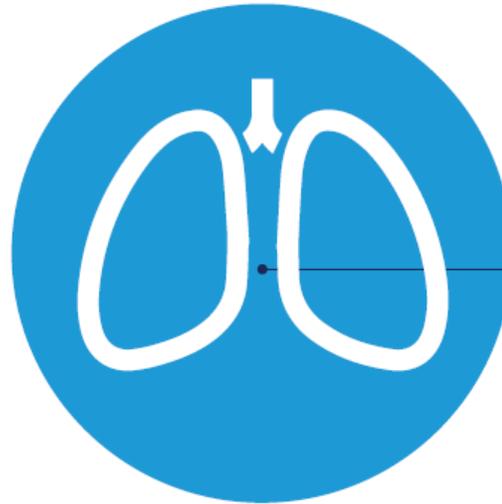
Health risks from:
Ozone Pollution
Particle Pollution



PREMATURE DEATH

May cause developmental harm

May cause reproductive harm



Health risks from:
Ozone Pollution
Particle Pollution



Asthma attack

Lung cancer

Wheezing and coughing

Shortness of breath

Cardiovascular harm

Susceptibility to infections

Lung tissue redness, swelling

Populations at Risk due to Unhealthy Air

Arizona Populations At Risk

Total Pop	7,171,646
Under 18	1,642,657
65 and Over	1,258,250
Ped. Asthma	132,423
Adult Asthma	558,676
COPD	397,618
Lung Cancer	3,204
Heart Disease	518,836
Ever Smoked	2,242,523
Poverty	990,291
People of Color	3,268,779



More than 4 in 10
Americans live in places
with unhealthy levels of
air pollution.



People of color are
3 times more likely than
white people to live in
a county with 3 failing
grades.

2021 State of the Air -Phoenix Rankings

5th 

in most unhealthy
ozone days.

13th 

in unhealthy particle
pollution days.

8th 

in unhealthy annual levels
of particle pollution.

The Road to Clean Air



Benefits of a Nationwide Transition
to Electric Vehicles

The scenario: 100 percent Zero Emission Vehicle Sales across the U.S. (10 categories)



Health Benefits of Avoided Emissions in 2050

\$72 Billion in Health Benefits
due to emission reductions in 2050

6,300

Premature Deaths
Avoided

93,300

Asthma
Attacks
Avoided

416,000

Lost
Work Days
Avoided

Local Results due to emission reductions in 2050

Arizona Health Benefits

\$1.5 Billion

Health Impacts Avoided

- *125 deaths*
- *2,000 asthma attacks*
- *8,500 lost work days*



Phoenix Metro Health Benefits

\$1 Billion

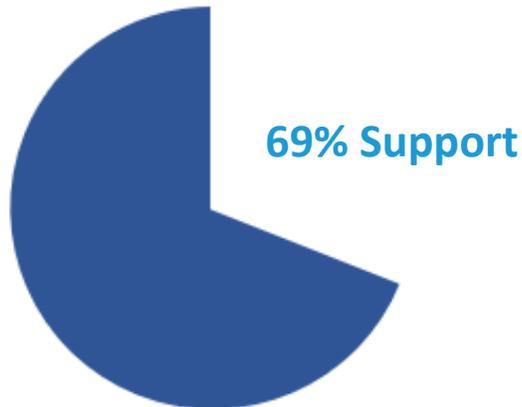
Health Impacts Avoided

- *85 deaths*
- *1,500 asthma attacks*
- *6,400 lost work days*

Arizona Voters Support Action on Electrification

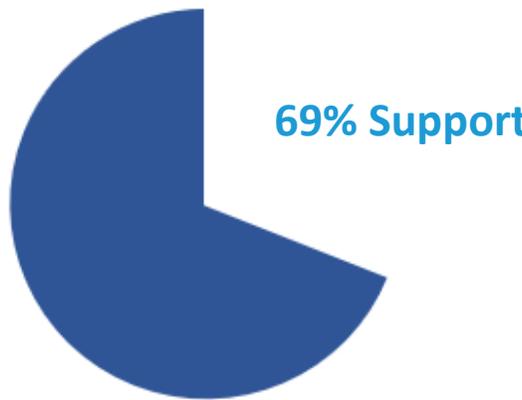
New American Lung Association Poll – December 10, 2020

Infrastructure



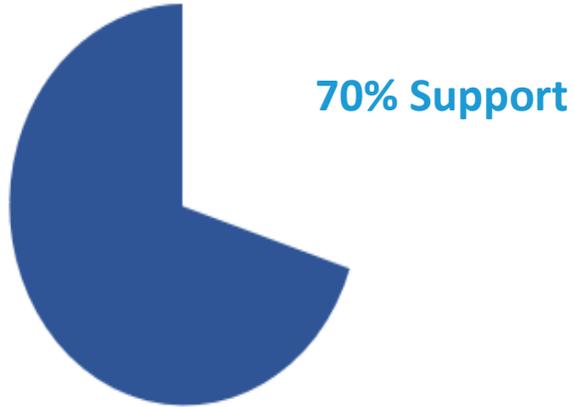
Investing in publicly available infrastructure for charging electric vehicles along major highways and roads

Consumer Incentives



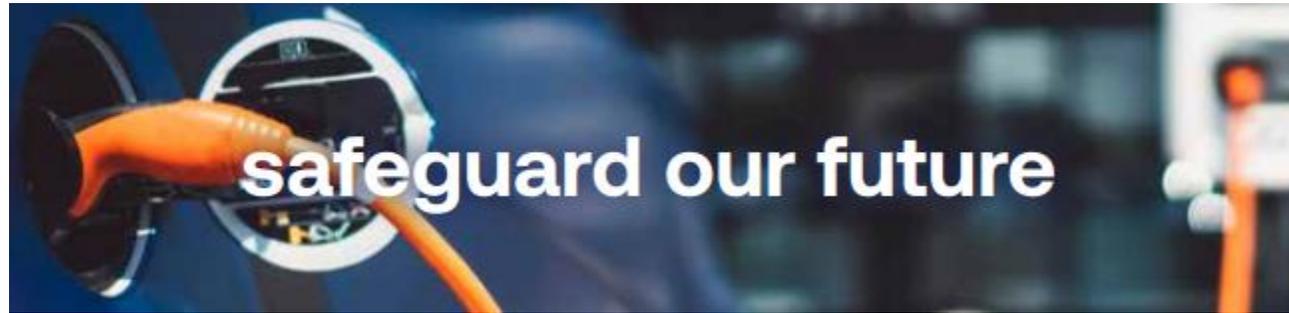
Providing consumer incentives to encourage the purchase of electric vehicles

Public Fleets
(school, transit, etc.)



Policies that will transition public vehicle fleets like transit buses, school buses, maintenance trucks, and government-owned cars to all electric vehicles

Policy Recommendations



Use Clean Air Act authority to adopt the California zero-emission standards for light, medium- & heavy-duty vehicles.

Pursue fully electric public fleets and support zero-emission infrastructure including in all public buildings and garages.

Invest in publicly available charging infrastructure along major highways and roads to ensure both personal and commercial charging opportunities exist.

Support accelerated fleet turnover through incentive programs targeting older vehicles, consumer purchase decisions via point-of-purchase rebates and non-financial incentives.

Resources

- www.lung.org/sota
- State-specific information
- Rankings and grades
- Health effects information
- www.lung.org/ev
- Regional Fact Sheets
- Full Report
- Technical Report

Contact

JoAnna Strother
Senior Director, Advocacy
JoAnna.Strother@Lung.org



Since 2014

#CHISPAAZ

@ChispaAZ



Environmental Justice

Teo Argueta



ENVIRONMENTAL JUSTICE

“To promote economic alternatives which would contribute to the development of environmentally safe livelihoods; and, to secure our political, economic and cultural liberation that has been denied for over 500 years of colonization and oppression, resulting in the poisoning of our communities and land and the genocide of our peoples”

-People of Color Environmental Leadership Summit (1991)



ENVIRONMENTAL EQUITY

“The fair treatment and meaningful involvement of all people regardless of race, ethnicity, income, national origin or educational level with respect to the development, implementation, and enforcement of environmental laws and regulations and policies, No population should be forced to bear a disproportionate burden of negative human health or environmental impact of pollution or other environmental consequences.”

-Environmental Protection Agency (2014)



Environmental Justice different than Climate Action?

- The EJ movement began, much like the Civil Rights movement, in the Southern U.S. during the 1970s, when black communities started to notice and act against the disproportionate placement of waste management plants near communities of color and the negative health effects of that.
- As the movement evolved, it has expanded its focus to combating **Environmental Racism** and the **implementation of any policy, practice or directive that differentially affects or disadvantages (whether this be intended or not) individual groups or communities based on race or color.**

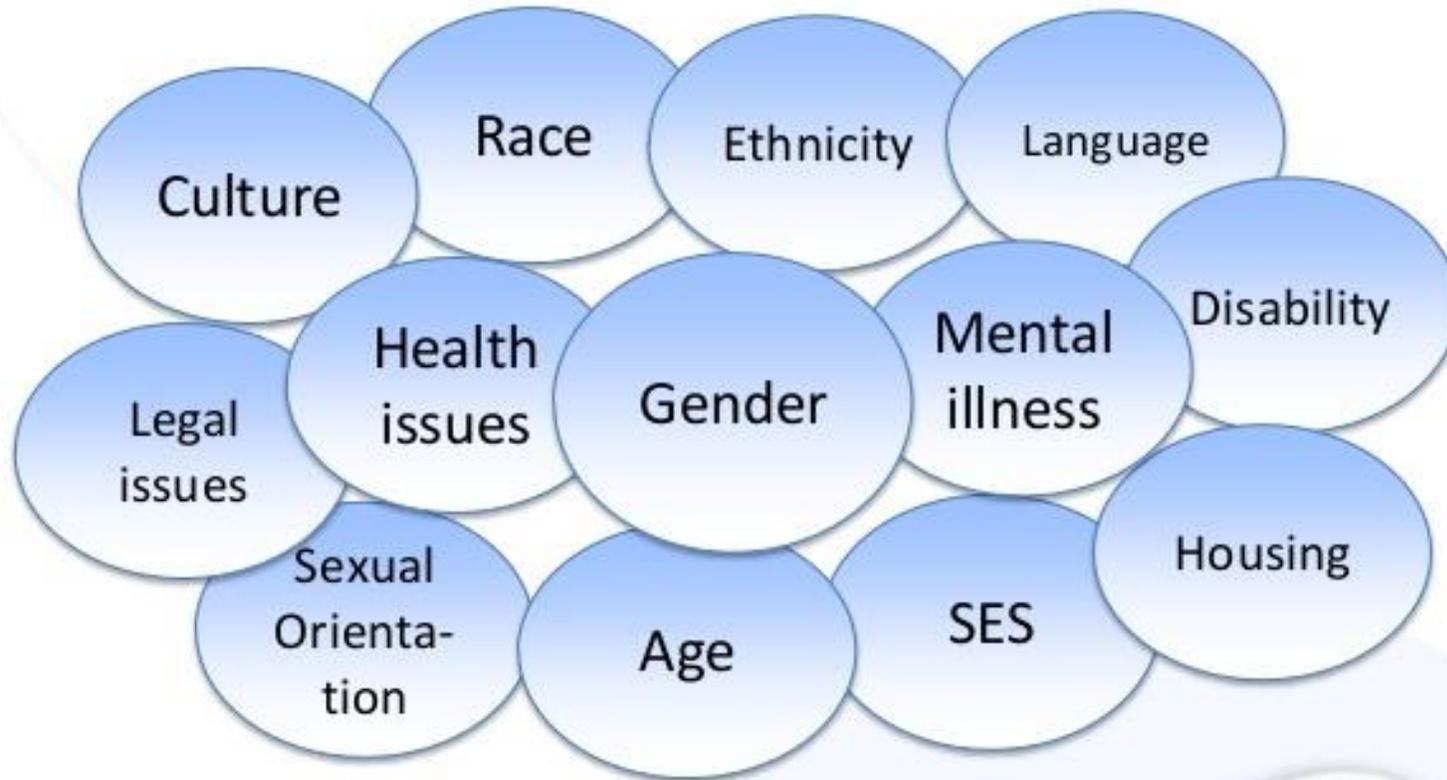


Two Drug Epidemics, Decades Apart: Why Government's Response To Opioid Epidemic Different Than Crack Crisis

Many see race as a crucial factor in how Congress and health officials have focused on prevention and education rather than punishment. White victims make up almost 80 percent of the deaths from opioid overdoses, while, in contrast, in 2000, 84 percent of crack cocaine offenders were black. In other news on the crisis: a 25-year-old pill for nerve pain raises some red flags; the DEA issues an immediate suspension of opioid sales by a wholesale distributor; drug distributors head to Capitol Hill; and more.



Risk Factors: Discrimination



Royal Ottawa
Mental Health Centre
Centre de santé mentale
Royal Ottawa

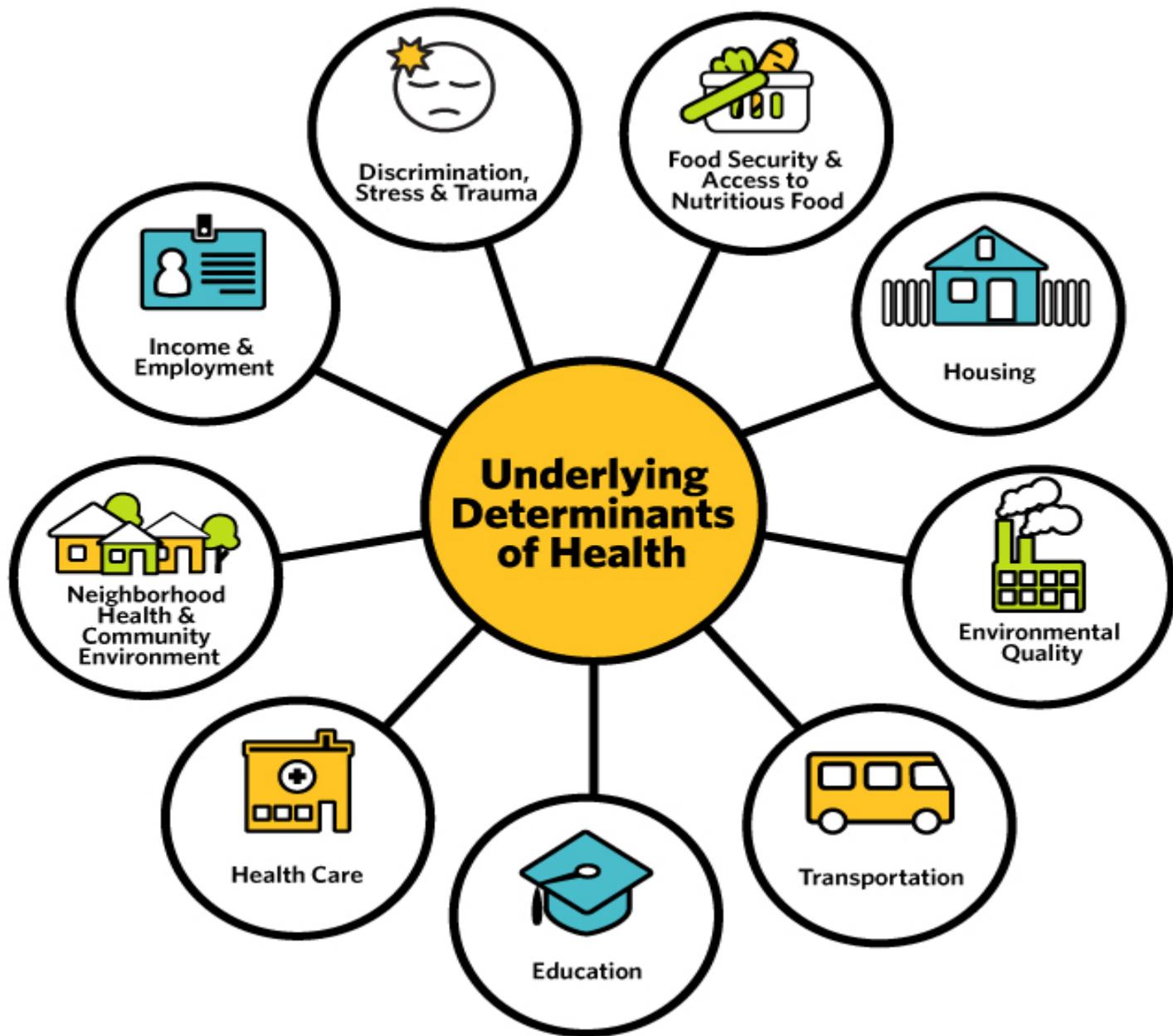
University of Ottawa
Institute of Mental Health Research
Institut de recherche en santé mentale
de l'Université d'Ottawa

Royal Ottawa
Foundation for Mental Health
Fondation de santé mentale
Royal Ottawa

Brickville
Mental Health Centre
Centre de santé mentale
Brickville

The Le
Royal
Mental Health - Care & Research
Santé mentale - Soins et recherche


CHISPA AZ
IGNITING THE MOVEMENT. ADVANCING CLIMATE JUSTICE.
LEAGUE OF CONSERVATION VOTERS





Welcome to the Team!



Public Comment and Questions

Please feel free to ask your questions or leave a comment in the chat.



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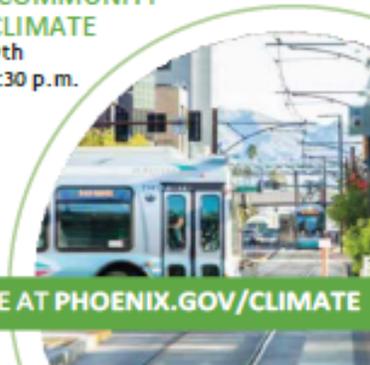


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